

September 11, 2017
November 14, 2017
May 22, 2018

Tennessee Department of Transportation Division of Materials and Tests

Field Technician Certification Requirements (SOP 1-3)

Purpose: The purpose of this document is to establish the minimum qualifications for personnel involved in the sampling and testing of materials for process control, acceptance, and assurance purposes.

Background: Federal regulations (23 CFR 637B) require that all sampling and testing used in the materials and construction acceptance process be conducted by qualified technicians.

Policy: All TDOT and Contractor Personnel must be certified in the applicable TDOT certification workshops as required in the Standard Specifications, or when otherwise required. To become certified individuals must attend the classroom instruction and presentations, successfully complete the written examination, and successfully complete the sampling and testing proficiency demonstrations.

Certification from American Concrete Institute (ACI) is acceptable for the Concrete Field Testing in lieu of the TDOT certification.

Certification: Upon successful completion of a certification course, every individual must complete the [TDOT Technician Certification Agreement](#) to receive their certification cards.

De-certification: TDOT will assure all individuals that are certified continue to correctly perform and conduct the sampling and testing requirements per their certification. TDOT will maintain the right to revoke certifications from individuals whom:

- Improperly perform sampling, testing, or inspection of materials or workmanship to assure its acceptance or quality.
- Improperly report or falsify, quality control, acceptance, or assurance testing data,
- Deliberately and intentionally report data that was not obtained by testing,
- Accept materials or products that are obviously of poor workmanship and non-compliant with the TDOT Specifications.

Each infraction, as listed above, will be evaluated on a case-by-case basis. TDOT will determine the appropriate disciplinary action based on the severity, intent, type, and number of infractions. Disciplinary actions may include, written warning, verbal warning, temporary or permanent de-certification, re-examination, or others.

Courses: The [Materials and Tests Division](#) website gives a full description of each certification course offered below. The Materials and Tests Division website also contains a course schedule and registration process for each certification course.

Certification Program	Required for:	Certification Valid for:	Required Per Specification:	Description of Workshop
Asphalt Level 1 Roadway Paving Inspector	TDOT, CEI, and Contractor paving inspectors and foreman	5 years	407.14	Classroom presentation and written exam.
Asphalt Level 1 Roadway Paving Inspector RECERTIFICATION	TDOT, CEI, and Contractor paving inspectors and foreman	5 years	407.14	Classroom Workshop and written exam.
Asphalt Level 2 Concrete Plant Technician	TDOT, CEI, and Contractor Acceptance and Process Control	5 years	407.03 (D)2(a)	Classroom presentation, laboratory/test demonstration, written exam, and laboratory/test proficiency demonstrations.
Asphalt Level 3 Concrete Mixture Design Technician	TDOT Verification and Contractor Mix Designers	5 years	407.03(C)1	Classroom presentation, written exam, and laboratory/test proficiency demonstrations.
Class 1 Concrete Technician (Concrete Field Testing)	TDOT, CEI, and Contractor Field Acceptance and Process Control	5 years	501.03(B) 604.03(B)	Classroom presentation, test method demonstration, written exam, and performance exam.
Class 1 Concrete Technician (Concrete Field Testing) RECERTIFICATION	TDOT, CEI, and Contractor Field Acceptance and Process Control	5 years	501.03(B) 604.03(B)	Classroom workshop/presentation, written exam, and performance exam.
Class 2 Concrete Technician (Concrete Plant Quality Control)	Contractor Concrete Plant Process Control	5 years	501.03(B) 604.03(B)	Classroom presentation, test method demonstration, and written exam
Class 3 Concrete Technician (Concrete Mix Design)	Contractor Concrete Mix Design	5 years	501.03(A) 604.03(A)	Classroom presentation, test method demonstration, and written exam.
Soils and Aggregate Technician	TDOT and CEI Acceptance	5 years		Classroom presentation, test method demonstration, and written exam.
Radiation Safety Certification Course	TDOT Acceptance	3 years	CL G-1	Classroom presentation and written exam.